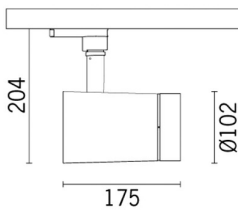


Last information update: April 2025

Product configuration: QG45

QG45: small body - Neutral White - dimmable electronic ballast - wide flood optic

**Product code**

QG45: small body - Neutral White - dimmable electronic ballast - wide flood optic

Technical description

Adjustable spotlight with adapter for installation on mains electrified track for high output LED lamp with monochrome emission in a Neutral White (4000K) tone. Dimmable electronic ballast integrated in the product. Luminaire made of die-cast aluminium and thermoplastic material, allows 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. The luminaire has mechanical aiming locks for both movements, operated using the same tool on two screws, one at the side of the rod and one on the adapter for the track. Passive heat dissipation. Spotlight can hold up to two flat accessories at the same time. Another external component can also be applied, selected from directional flaps and an anti-glare screen. All external accessories rotate 360° about the spotlight longitudinal axis.

Installation

On an electrified track with a special base

Colour

White (01) | Black (04)

Weight (Kg)

1.28

Mounting

three circuit track

Wiring

The dimmable electronic components are housed in the luminaire

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	2036	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	29.6	Lamp code:	LED
lm source:	2700	Number of lamps for optical assembly:	1
W source:	26	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	68.8	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	5 A / 50 µs
Light Output Ratio (L.O.R.) [%]:	75	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Beam angle [°]:	46°	Minimum dimming %:	1
CRI (minimum):	97	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Colour temperature [K]:	4000	Control:	Completo di dimmer
MacAdam Step:	2		

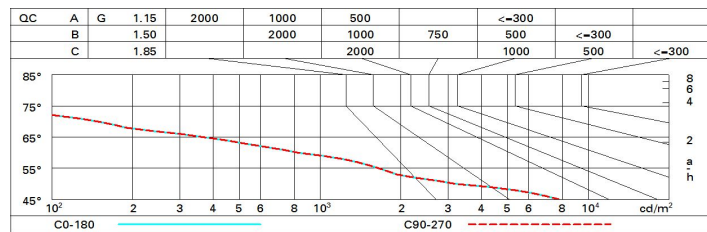
Polar

<p>Imax=3878 cd 90° 180° 90° 4000 0° α=45°</p>	CIE nL 0.75 99-100-100-100-75 UGR <10-<10 DIN A.61 UTE 0.75A+0.00T F*1=989 F*1.4F*2=999 F*1.4F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @65°	Lux			
		h	d	Em	Emax
		2	1.7	776	914
		4	3.3	194	228
		6	5	86	102
		8	6.7	49	57

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	64	62	60	64	61	61	59	78
1.0	71	68	65	64	67	65	65	62	82
1.5	74	72	70	69	71	69	69	67	88
2.0	77	75	74	72	74	73	72	70	93
2.5	78	77	76	75	76	75	74	72	95
3.0	79	78	77	77	77	76	75	74	97
4.0	80	79	79	78	78	78	77	75	99
5.0	81	80	80	79	79	78	77	75	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2700 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	8.9	9.4	9.1	9.7	9.9	8.9	9.4	9.1	9.7	9.9
	3H	8.7	9.3	9.0	9.5	9.8	8.7	9.3	9.0	9.5	9.8
	4H	8.7	9.1	9.0	9.4	9.7	8.7	9.2	9.0	9.4	9.7
	6H	8.6	9.0	8.9	9.3	9.7	8.6	9.0	8.9	9.4	9.7
	8H	8.5	9.0	8.9	9.3	9.6	8.6	9.0	8.9	9.3	9.6
	12H	8.5	8.9	8.9	9.3	9.6	8.5	8.9	8.9	9.3	9.6
4H	2H	8.7	9.2	9.0	9.4	9.7	8.7	9.1	9.0	9.4	9.7
	3H	8.5	8.9	8.9	9.3	9.6	8.5	8.9	8.9	9.3	9.6
	4H	8.4	8.8	8.8	9.2	9.5	8.4	8.8	8.8	9.2	9.5
	6H	8.3	8.7	8.8	9.1	9.5	8.3	8.7	8.8	9.1	9.5
	8H	8.3	8.6	8.7	9.0	9.4	8.3	8.6	8.7	9.0	9.4
	12H	8.2	8.5	8.7	8.9	9.4	8.2	8.5	8.7	8.9	9.4
8H	4H	8.3	8.6	8.7	9.0	9.4	8.3	8.6	8.7	9.0	9.4
	6H	8.2	8.4	8.7	8.9	9.4	8.2	8.4	8.7	8.9	9.4
	8H	8.1	8.4	8.6	8.8	9.3	8.1	8.4	8.6	8.8	9.3
	12H	8.1	8.3	8.6	8.8	9.3	8.1	8.3	8.6	8.8	9.3
12H	4H	8.2	8.5	8.7	8.9	9.4	8.2	8.5	8.7	8.9	9.4
	6H	8.1	8.4	8.6	8.8	9.3	8.1	8.4	8.6	8.8	9.3
	8H	8.1	8.3	8.6	8.8	9.3	8.1	8.3	8.6	8.8	9.3
Variations with the observer position at spacing:											
S =	1.0H	5.1 / -10.3					5.1 / -10.3				
	1.5H	7.8 / -15.6					7.8 / -15.6				
	2.0H	9.8 / -20.9					9.8 / -20.9				